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### INTERNATIONAL SEARCH REPORT

International Application No PCT/EP2004/004932

A. C	LASSIF	CATION OF SUBJECT MATTER	
IPC	7	A62B17/00	

According to International Patent Classification (IPC) or to both national classification and IPC

#### B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A41D A42B A62B A62D B60J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 078 491 A (WOOD HARRIS & CO LTD) 13 January 1982 (1982-01-13) page 1, left-hand column, lines 5-10 page 1, left-hand column, lines 55-62 - right-hand column, lines 63-72 page 1, right-hand column, lines 95-98; figures 1,2	1-16
<b>(</b>	US 5 653 225 A (SCHEGERIN ROBERT) 5 August 1997 (1997-08-05) column 1, lines 6-9 column 2, lines 1-15 column 3, lines 4-37; figures 2,3	1-21
<b>A</b>	DE 198 34 688 A (BAYERISCHE MOTOREN WERKE AG) 3 February 2000 (2000-02-03) abstract; figures -/	4-6

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Special categories of cited documents:      A* document defining the general state of the art which is not considered to be of particular relevance      E* earlier document but published on or after the international filing date      L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another	<ul> <li>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>"Y" document of particular relevance; the claimed invention</li> </ul>				
citation or other special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filling date but later than the priority date claimed	cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  *&* document member of the same patent family				
Date of the actual completion of the international search	Date of mailing of the international search report				
24 August 2004	01/09/2004				
Name and malling address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	van Bilderbeek, H.				

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		PCT/EP2004	7004932			
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.			
A	DE 77 15 247 U (DENSO-CHEMIE WEDEKIND KG) 25 August 1977 (1977-08-25) figure 1		7			
A	EP 0 057 517 A (SIMPSON KEITH BELLAS) 11 August 1982 (1982-08-11) page 3, lines 19-38 - page 4, lines 1-36; figure 1		11			
A	DE 39 24 033 A (RUITER ERNEST DE ; BLUECHER HASSO VON (DE)) 28 February 1991 (1991-02-28) column 2, lines 14-16	·	12,16			
Α .	US 4 500 581 A (KOMAGATA HIDEKI ET AL) 19 February 1985 (1985-02-19) column 6, lines 38-56		12,16			
Α	US 2 086 325 A (NATHAN FRANKEL) 6 July 1937 (1937-07-06) figures	:	15			
A	DE 87 10 165 U (GULDENER, FRITZ) 1 October 1987 (1987-10-01) page 4, lines 4-24 page 8, lines 17-26; figure 1					
A	US 2003/033657 A1 (AUSTIN RICK A) 20 February 2003 (2003-02-20) page 1, paragraph 11 page 1, lines 13-17, paragraph 15; figures & US 4 174 710 A (PAMPUCH KLAUS) 20 November 1979 (1979-11-20)					
Α	US 2 005 072 A (BOOHARIN LEO Y) 18 June 1935 (1935-06-18) page 2, right-hand column, lines 42-44; figure 1		,			
		÷				

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### INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/004932

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
GB 2078491	Α	13-01-1982	NONE			
US 5653225	Α	05-08-1997	FR DE DE EP WO	2686795 69304629 69304629 0578808 9314818	D1 T2 A1	06-08-1993 17-10-1996 03-04-1997 19-01-1994 05-08-1993
DE 19834688	Α	03-02-2000	DE	19834688	A1	03-02-2000
DE 7715247	Ü	25-08-1977	DE	7715247	U1	25-08-1977
EP 0057517	Α	11-08-1982	DE EP EP	3272496 0057517 0150261	A2	18-09-1986 11-08-1982 07-08-1985
DE 3924033	A	28-02-1991	DE	3924033	A1	28-02-1991
US 4500581	A	19-02-1985	JP JP JP DE GB NL	1057619 1569607 57156036 3210070 2096536 8201181	C A A1 A ,B	06-12-1989 10-07-1990 27-09-1982 18-11-1982 20-10-1982 18-10-1982
US 2086325	Α	06-07-1937	NONE			
DE 8710165	U	01-10-1987	DE	8710165	U1	01-10-1987
US 2003033657	A1	20-02-2003	NONE			
US 4174710	Α .	20-11-1979	DE	2718864	A1	09-11-1978
US 2005072	Α	18-06-1935	NONE			